IIIT
NAYA RAIPUR

International Institute of Information Technology
Naya Raipur – 492002

Notice Inviting Tender For Setting Up Basic Electronics Lab at IIIT-NR

Open bids are invited from prospective bidders under two-bid system for setting up Basic Electronics Lab at IIIT—Naya Raipur and should reach at the office of **Nodal Officer, IIIT—Naya Raipur** before 14.00 hrs on or before 24th **August, 2015**. The bidders shall have proven track record of carrying out such works either in academic institutions or in industry. Tender papers may be downloaded from the website of the Institute www.iiitnr.ac.in. No tender papers shall be sold by the Institute.

Due Date & Time for submission of bids is 25.8.2015, 14:00 hours.

TENDER NOTICE NO.: No. IIITNR/ECE/2015/1

DATE OF ISSUE: 10/08/2015

LAST DATE FOR RECEIPT OF TENDER: 24th August 2015 till 2.00 P. M.

DATE & TIME OF OPENING TENDER: 24th August 2015 at 4.00 P. M.

NAME AND ADDRESS OF TENDERER : Nodal Officer, IIIT— Naya Raipur, Plot No. 7, Sector 24, Naya Raipur
Telephone – 0771-2474001
E-mail – iiit.nr@gov.in

TENDER PURHCASE DETAILS:

Download tender from website www.iiitnr.ac.in, and enclose a Demand Draft of Rs. 500/- in favor of the IIIT Naya Raipur towards the cost of tender.

EARNEST MONEY DETAILS:

Rs 25,000/- (Rs. Twenty Five Thousand only) to be deposited in form of Demand Draft in favor of IIIT Naya Raipur

The sealed tenders must be submitted in the Office of Nodal Officer, IIIT—Naya Raipur on or before due date & time as mentioned above.

The tender/quotations NOT submitted in the prescribed format or Incomplete in any respect will be out rightly rejected.

INSTRUCTIONS/GUIDELINES TO BIDDERS

1. Only bidders, who fulfill the ELIGIBILITY CRITERIA, as given in this tender document, should apply.
2. The bidders should enclose relevant documents wherever necessary to substantiate their eligibility.
3. The bidder should enclose the cliental list with contact address along with Phone/Fax for reference, for the quoted item.
4. The Bidders must submit their Quotation with EMD in the form of Demand Draft in favor of **"International Institute of Information Technology—Naya Raipur"** payable at Raipur. Quotation without EMD will be summarily rejected. EMD's of all Bidders will be returned back after the purchase order /contract agreement is issued to successful bidder.
5. The Technical Bid and the Financial Bid of the Tender should be covered in a separate sealed cover super scribing the wordings "Technical Bid" & "Financial Bid". Both the documents viz. Technical Bid Cover and Financial Bid Cover prepared as above are to be kept in a single sealed cover super scribed with "Basic Electronics Lab". The cover thus prepared should also indicate clearly the name and address of the tenderer to enable the Bid to be returned, if unopened, in case it is declared "late".

6. The Earnest Money in the form of Demand Draft must be placed in a separate sealed envelope indicating the amount, tender Notice Number and due date and enclosed with the bid.

7. Successful Bidders must have to submit the performance security @ 10% of the purchase order or contract value and it will be retained up to the warranty period.
8. IIIT—Naya Raipur reserves the right to reject, accept any or whole or part of any of the tender without assigning any reason thereof and no claim will be heard. In case of dispute, the decision of The Director, IIIT—Naya Raipur will be final and binding.
9. If the successful bidder is not able to complete the supply & Installation work within the delivery date specified in the purchase order, the purchase order will be automatically treated as cancelled after expiry of delivery date period. The vendor will have to submit an undertaking in this regard that this condition is acceptable to him. In case of extra ordinary circumstances the vendors must send a request for extension of validity of purchase orders, with proper justification prior to the expiry of validity date for consideration.
10. The quotation must be accompanied by leaflets/operation manuals/books etc.
11. The Bidder is expected to examine all instructions, forms, terms and specifications in the Bid Documents. Failure to furnish all information required as per the Bid Documents or submission of bids which are not substantially responsive to the Bid Documents in every respect may result in rejection of the bid.
12. Bidders who had supplied the Government departments, PSUs/NITs/IITs/IIITs and reputed Institutions and Organizations should only apply.
13. Please quote the F.O.R prices for IIIT—Naya Raipur only
14. The bidder should enclose relevant documents wherever necessary to substantiate his

eligibility.

15. On-site training, if required, needs to be provided with no extra cost.
16. Wherever applicable the vendors must quote the branded /desired items.

GENERAL TERMS & CONDITION

1. Eligibility Criteria:

(i) Firm/bidders blacklisted at any stage or by any NITs/IITs/IIITs/ Central Universities/Central/State Government body/PSUs etc. need not to apply.

(ii) The bidder should be an Indian registered company engaged in respective area of works with minimum experience of 05 (FIVE) years. The bidder should have sufficient Infrastructure, technical expertise and financial strength to undertake the contract.

(iii) **Minimum AVERAGE ANNUAL TURNOVER** of **Rs. 50 lakh** in the last 3 financial years. (Balance sheet/CA certificate to be enclosed, duly supported by the income tax return for financial years 2012-13, 2013-14, 2014-15).

(iv) The bidder should have experience of similar work experience with at least 6 academic organization of higher education, in last 03 years. The nature of completed work should be supply & satisfactory installation in various Government Institutes/Firms/PSUs. *[**NOTE:** The documentary proof of **Purchase orders** as well as **payments thereof** in respect of works mentioned in bid **MUST** be submitted along with the bid.]*

(v) Tenderer should submit documents in support of minimum eligibility criteria along with the tender/bid. NO document in support of minimum eligibility criteria will be accepted / entertained after opening of tender.

(vi) The Bidder/Tenderer should provide the following mandatory information:

(a) Bidder/Tenderer must provide the information on the similar works completed successfully & satisfactory in last 3 years. Bidder/Tenderer must submit satisfactory documentary proof from end-users.

(b) List of Organizations/Customers dealt by them.

(c) Last three year's copies of Income Tax Return Form and PAN number.

(d) Copy of Registration of Firm.

(vii) Tenders/bids not meeting any of the above "Eligibility Criteria" shall be rejected.

2. Bid Price

(a) The total contract price shall be for the full quantity.

(b) Corrections, if any, shall be made by crossing out, initialing, dating and rewriting.

(c) All duties, taxes and other levies payable by the contractor under the contract shall be included in the total price.

(d) The quoted total contract price shall be fixed for the duration of the contract and shall not be subjected to any adjustment.

(e) Each bidder shall submit only one quotation.

3. Validity of Quotation

The tender offer shall remain valid for 120 days from the date of opening of Technical bid (Part –I) of this tender.

4. Evaluation of Quotations

(a) Any items left blank, will be treated as incomplete bid and liable to be rejected.

(b) The purchaser will evaluate and compare the quotations determined to be substantially responsive, i.e., which

(i) are properly signed; and conform to the terms and conditions, and specifications.

(ii) will be with tender fees, and EMD required, if any.

(iii) Ink seal & sign on every page of tender document.

(iv) conform to the terms and conditions, and specifications.

(v) The Quotations would be evaluated separately for each item.

5. Award of Contract

- The Purchaser will award the contract to the bidder whose quotation has been determined to be substantially responsive and who has offered the lowest evaluated quotation price.
- Notwithstanding the above, the Purchaser reserves the right to accept or reject any quotations and to cancel the bidding process and reject all quotations at any time prior to the award of contract.
- The bidder whose bid is accepted will be notified for the award of contract by the Purchaser prior.

6. Formats and Signing of Bid

- Each & every pages of the submitted bid must carry the page numbers.
- The bidders are not allowed to make additional and alteration in the tender document. Any additions and alteration in the tender document shall be at bidder‟s risk. Conditional/modified tender are liable to be rejected.
- The tender/quotations NOT submitted in the prescribed format or Incomplete in any respect will be out rightly rejected.
- The bid shall be typed or written in indelible ink and shall be signed by the Bidder/Tenderer or a person or persons duly authorized to bind the Bidder/Tenderer to the Contract. All pages of the bid, except for unamended printed literature, **must have** Signature (in ink, with date) & Seal of Bidder/Tenderer.
- Any interlineations, erasure or overwriting shall be valid only if they are initiated by the persons or persons signing the bid.

7. Payment condition: 100% Payment shall be made only after supply of the items in good condition and satisfactory Installation. No advance payment will be made.

8. Normal Commercial warranty/guarantee shall be applicable to the supplied goods, (If warranty/Guarantee is not mention in specifications of respective items).

9. The delivery of items securely and neatly packed should be made at IIIT—Naya Raipur.

10. Incomplete or conditional bid will not be accepted.

(i) The Director, IIIT—Naya Raipur reserves the right to accept or reject the tender at any stage without specifying any reason.

(ii) Compliance to above General terms & Conditions will be considered for overall evaluation of the bid and non-compliance of any of the above technical terms & conditions/specifications may turn into rejection.

(iii) The Bidder/Tenderer must agree to all the technical terms and conditions of the offer, as mentioned in the technical proposal and no such additional terms & conditions from Bidder/Tenderer will be accepted, at a later stage.

SCOPE OF WORKS

1. The supply and installation of equipment with accessories.
2. Testing of equipment.
3. To provide, one copy each of following documentation (on both CD/DVD and printed manual):
   (i) installation manual,
   (ii) operating manual, and
   (iii)Service Manual.
4. Repair/Refurnishing work to restore the damage caused due to cabling or any other work related to installation.
5. Any other work required for equipment making functional up to the satisfaction of IIIT—Naya Raipur.

CHECK LIST *(ON THE LETTER HEAD OF THE BIDDER)*

The Bid will be the compilation of following documents, along with required supporting documents. No document in support of minimum eligibility criteria will be accepted / entertained after opening of tender.

Sl. No	**Documents**
1.	Cover letter by bidder (On the Letter Head of the Bidder)
2.	Tender Fee
3.	Earnest Money Deposit (EMD), if required
4.	Cliental List for quoted item
5.	**Annexure-A** : Bid Proposal Sheet (On the Letter Head of the Bidder)
6.	**Annexure-B** : Technical Specification of Equipments
7.	**Annexure-C** : AFFIDAVIT REGARDING BLACKLISTING FIRM
8.	**Annexure-D** : PRICE BID (On the Letter Head of the Bidder)

ANNEXURE-A

BID PROPOSAL SHEET

(ON THE LETTER HEAD OF THE BIDDER)

To

Nodal Officer
IIIT—Naya Raipur

Subject: Supply of **"Lab Equipments"** at IIIT—Naya Raipur.

Dear Sir,

We, the undersigned Tenderers, having read and examined in detail the specifications as specified in this document in respect of Supply of **Lab Equipments for Basic Electronics Lab** at IIIT—Naya Raipur do hereby propose to supply the required products and services.

Tender No.				
Tender Fees submitted		YES / NO (Please strike off whatever is not applicable)		
Amount	Mode	Date of Issue	Name of Bank	Valid up to
	Demand Draft			
EMD submitted		YES / NO (Please strike off whatever is not applicable)		
Amount	Mode	Date of Issue	Name of Bank	Valid up to
	Demand Draft			

(i) **ADDITIONAL PURCHASE/WORK ORDER:** We understand that the IIIT—Naya Raipur, in case of the requirements may also place repeat purchase order/work order. In such cases, we shall accept and execute all the purchase/work order placed on us by IIIT—Naya Raipur.

(ii) **BID PRICING:** We further declare that the prices stated in our proposal are in accordance with your Terms & Conditions in the bidding document. We further understand that the quantities as specified in this Tender may increase or decrease at the time of Award of Purchase Order as per the requirements of IIIT—Naya Raipur.

(iii) **QUALIFYING DATA:** We confirm that we satisfy the qualifying criteria and have attached the requisite documents as documentary proofs. In case you require any further information/documentary proof in this regard during evaluation of our bid, we agree to furnish the same in time to your satisfaction.

(iv) **CONTRACT PERFORMANCE SECURITY:** We hereby declare that in case the contract is awarded to us, we shall submit the performance Guarantee Bond in the form of Bank

Guarantee for the amount of 10% of the total order value.

(v) **PAYMENT TERMS:** We hereby declare that in case the contract is awarded to us, we agree with payment terms specified in the tender documents.

(vi) **CERTIFICATE AND DECLARATION:**

a) I/We certify that no addition/modification/alteration has been made in the Original Tender Document. If at any stage addition /modification /alteration is noticed in the Original Document. I/We will abide by the terms and conditions contained in the original tender document, failing which IIIT—Naya Raipur reserves the right to reject the tender and/or cancel the contract

b) It has been certified that all information provided in tender form is true and correct to the best of my knowledge and belief. We hereby declare that our proposal is made in good faith, without collusion or fraud. No forged /tampered document(s) are produced with tender form for gaining unlawful advantage. We understand that IIIT—Naya Raipur is authorized to make enquiry to establish the facts claimed and obtained confidential reports from clients.

c) In case it is established that any information provided by us is false / misleading or in the circumstances where it is found that we have made any wrong claims, IIIT—Naya Raipur is authorized to blacklist our firm/company/agency and debar us in participating in any tender/bid in future.

d) I / We assure the Institute that neither I /We, nor any of my /our workers, will do any act which is improper / illegal during the execution, in case the tender is awarded to us.

e) I / We assure the Institute that I / We will NOT be outsourcing any work specified in the tender document, to any other firm.

f) Our Firm / Company / Agency is not been blacklisted or banned by any Govt. Department, PSU, University, Autonomous Institute or any other Govt. Organization.

g) I/We certify that, I have understood all the terms & conditions, as indicated in the tender document, and hereby accept all the same completely.

h) I/We, further certify that I/We, possess all the statutory /non-statutory registrations, permissions, approvals, etc., from the Competent Authority for providing the requisite services,

i) I/We hereby declare that this tender on acceptance communicated by you shall constitute a valid and binding contract between us.

j) I/We certify that the submitted quotation is duly paginated and contains from page no. 1 to …….

Date: Signature and Seal of the Manufacturer/Bidder

ANNEXURE - B

Technical Specifications Basic Electronics Lab

S.NO.	Equipment	Specs	Quantity
1	**DC Regulated variable power supply**	Voltage: 0-30V Variable (Dual) Current : 0-5 A and/or 0-2A Variable (Dual) Input Voltages:230V ±105, 50Hz Single Phase Ac Line Regulatio:0.01% for ±10% line variations Load Regulatio:0.01% from no load to full load Ripple & Noise:<1mV RMS for low voltage supplies, <2mV RMS for high voltage supplies Transient recovery time:<50µ sec Current Limiting: 10% to 115% variable Temperature co-efficient:<+ 0.02%/0° C Operating Temperature:0°C to 50° C Metering: Digital: 3 digit seven segment display	10
2	**Digital Storage Oscilloscope (DSO)**	Real Time BW: 70 M Hz/100MHz (may give separate quotes) No of channels: 2 Sample rate: 1 GS/s on all channels Measurements: Automatic measurements, Time & voltage cursors, Math, FFT I/O interface: GPIB, USB, Ethernet, VGA ports and waveform processing software Record length: 1000 points per channel Display: colour, LCD/CRT, LCD TFT Triggering: Edge, video, pulse width, Glitch, External Analysis modes: peak detect, average, normal, Roll mode Mixed signal upgrading support (at later when required)	10
3	**CRO**	30MHz Dual trace with Component Tester **Band Width:** AC 10Hz ~ 30MHz (-3dB)**,** DC ~ 30MHz (-3dB) **Sweep Mode:** Auto, Trig, Lock, Single **Trig Source:** Y1, Y2, ALT, Line, Ext, TV-H, TV-V and other standard	10
4	**Function Generator**	1MHz & 3 MHz Digital function generators (separate) Waveforms : Sine, Square, triangle, Ramp+ ve Square & -ve Square waves Frequency Range : 3 Hz to 3 Mhz in four overlapping	10

		range Frequency Counter: Four digit display for output Frequency. Accuracy: With in ± 2% in first 5 range & ± 4% last range Output Amplitude: 0-15 Vpp into 50 ohm and 30 Vpp in Open circuit. DC Offset: Upto ± 15V into open circuit and ± 7.5V into 50ohms (Continuously Variable independent control) Output Impedance: 600 Ohms (± 10%) Option : 50Ω Attenuation : 0 to 60db (2 x 20db step attenuator and 20db fine Control) Output Coupling: DC Power: 230V ± 10%, 50Hz, AC, Single Phase	
5	**Digital Multimeters**	4½ Digital Multimeter 20,000 Counts Large LCD Display with Manual Range No Power-OFF under natural operation Data Hold, Max Conductance, Capacitance, Frequency Backlight Full protection in All Ranges NCV Test	10
6	**Digital Trainer kits**	TTL/CMOS compatible logic level input. Logic HIGH and logic LOW displayed by dual colour LED. Four crystal generated clock output of 1MHz,100 Hz,10 Hz and 1 Hz Logic probe to check logic LOW, logic HIGH or pulse. Four 7-segment display with BCD inputs. Facility of segment control on two displays The system requires +5V and CMOS supply for its operation	10
7	**Analog cum Digital trainer kits**	Solderless Bread Board: 2 Nos. Function Generator with 4 digit: Output wave forms: Sine, Square, Triangle, TTL Digital Frequency Counter, Output Voltage :20Vpp Output Frequency : 1Hz-1 MHz Built-in Power Supplies : 0 to 30V @ 1A Variable + 5V @ 200mA Fixed 3 ½ Digit panel Meters With LED display : 0 to 20V/200V Voltmeter 0 to 200uA/200uA Ammeter	10

		Fixed Clocks : 1Hz, 10Hz, 100Hz, 1KHz, Manual Pulser : 1 no. Seven Segment Display: 4 nos. with BCD 7 segment Logic Switche : 12 nos. Logic Indicators: 12 nos. Potentiometers : 6 nos. AC Source : 0-10-15-20-30V	
8	**Universal IC tester / Digital IC tester**	Able to test major digital ICs from most logic families (TTL, CMOS)	01
9	**Arduino Uno - R3 boards**	Microcontroller: ATmega328 Operating Voltage: 5V Input Voltage (recommended): 7-12V Digital I/O Pins: 14 (of which 6 provide PWM output) Analog Input Pins: 6 DC Current per I/O Pin: 40 mA DC Current for 3.3V Pin: 50 mA Flash Memory: 32 KB (ATmega328) of which 0.5 KB used by bootloader SRAM: 2 KB (ATmega328) EEPROM: 1 KB (ATmega328) Clock Speed: 16 MHz	20

ANNEXURE-'C'

AFFIDAVIT REGARDING BLACKLISTING/ NON-BLACKLISTING FROM TAKING PART IN GOVT.TENDERBY DOT/GOVT. DEPT

(To be executed on Rs.10/- Stamp paper & attested by Public Notary/Executive Magistrate by the bidder)

I / We Proprietor/ Partner(s)/ Director(s) of M/S. ---------- hereby declare that the firm/company namely M/S.----------has not been blacklisted or debarred in the past by IIIT—Naya Raipur or any other Government organization from taking part in Government tenders.

Or

I / We Proprietor/ Partner(s)/ Director(s) of M/S. ---------- hereby declare that the firm/company namely M/S.---------- ----------was blacklisted or debarred by IIIT—Naya Raipur, or any other Government Department from taking part in Government tenders for a period of ---------- years w.e.f.--------- --------.

The period is over on----------and now the firm/company is entitled to take part in Government tenders. In case the above information found false I/We are fully aware that the tender/ contract will be rejected/cancelled by IIIT—Naya Raipur, and EMD/SD shall be forfeited. In addition to the above IIIT—Naya Raipur, will not be responsible to pay the bills for any completed/ partially completed work.

Signature…….....

Name…….....

Capacity in which assigned: ……..

Name & address of the firm: ……...

Date:

Signature of Bidder with seal.

ANNEXURE - D

FINANCIAL BID

Basic Electronics Lab

Sl. No.	Item	QTY	UNIT	RATE	AMOUNT
1	**DC Regulated variable power supply**	10	NO.		
2	**Digital Storage Oscilloscope (DSO)**	10	NO.		
3.	**CRO**	10	NO.		
4.	**Function Generator**	10	NO.		
5.	**Digital Multimeters**	10	NO.		
6.	**Digital Trainer kits**	10	NO.		
7.	**Analog cum Digital trainer kits**	10	NO.		
8.	**Universal IC tester / Digital IC tester**	01	NO.		
9.	**Arduino Uno – R3 boards**	20	NO.		

Note: Rate should be inclusive of all taxes, transportation and installation cost.

Signature and Seal of the Manufacturer/Bidder